

# BHQplus™ Probes

*Fortified Probes with Duplex Stabilizers*



- SNP Genotyping
- Species Discrimination
- Gene Expression Analysis
- Pathogen Detection

[www.biosearchtech.com](http://www.biosearchtech.com)

[www.bhqplusdesign.com](http://www.bhqplusdesign.com)

**BHQplus probes** are a new and advanced probe technology for qPCR that bring researchers many of the benefits of traditional MGB™ probes without their expense.

## Shortened Probe—Enhanced Specificity

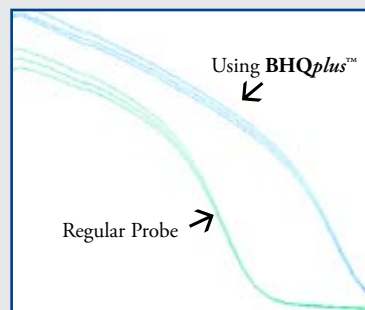
As with MGB probes, BHQplus™ probes form highly stable duplexes with DNA targets allowing shorter probes to be used for hybridization-based assays. Due to their shortened lengths, BHQplus probes achieve an enhanced target specificity making them ideal for SNP discrimination.

## Multiplex with BHQ®, FAM, TET, CAL Fluor®, and Quasar® Dyes

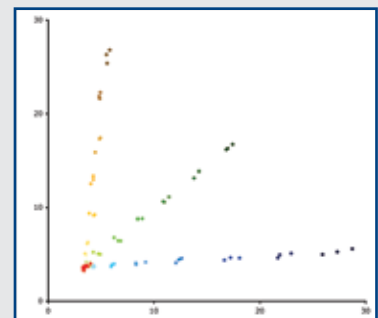
BHQplus probes combine the power of a short, high-fidelity probe with the proven quenching versatility of a non-fluorescent quencher, the Black Hole Quencher® (BHQ®) dye. When paired with a FAM, TET, CAL Fluor Orange 560, CAL Fluor Red 610, or Quasar 670 dye, these small and highly discriminatory dual labeled, fluorescence-quenched probes are suitable for SNP genotyping and allelic discrimination assays.

## Powerful RealTimeDesign™ Software for BHQplus Design

Designing BHQplus SNP genotyping assays is easy and uncomplicated with our free, web-based, program—RealTimeDesign™ software. Input your DNA sequence or NCBI accession number and let RealTimeDesign software design your assays. Simply review RealTimeDesign's suggestions and when you're satisfied, place your order online. Visit [www.bhqplusdesign.com](http://www.bhqplusdesign.com) to design your next probe-based SNP genotyping assay.



As temperature increases from left to right, this melting temperature graph indicates that BHQplus is more stable by withstanding an extra 10 degrees before denaturation.



Scatter plot of a BHQplus-SNP assay, resolving the respective genotypes.



## Pricing for BHQplus™ Probes

Custom BHQplus Probes				
Catalog #	Product Description	Synthesis Scale	Delivered Amount	Price
DLO-FBP-5	5' FAM BHQplus Probe	50 nmol	10 nmol	\$255
DLO-FBP-2	"	200 nmol	20 nmol	\$350
DLO-FBP-1	"	1 µmol	60 nmol	\$600
DLO-TBP-5	5' TET BHQplus Probe	50 nmol	10 nmol	\$255
DLO-TBP-2	"	200 nmol	20 nmol	\$350
DLO-TBP-1	"	1 µmol	60 nmol	\$600
DLO-CBP-5	5' CAL Fluor® Orange 560 BHQplus Probe	50 nmol	10 nmol	\$255
DLO-CBP-2	"	200 nmol	20 nmol	\$350
DLO-CBP-1	"	1 µmol	60 nmol	\$600
DLO-RBP-5	5' CAL Fluor® Red 610 BHQplus Probe	50 nmol	10 nmol	\$255
DLO-RBP-2	"	200 nmol	20 nmol	\$350
DLO-RBP-1	"	1 µmol	60 nmol	\$600
DLO-QBP-5	5' Quasar® 670 BHQplus Probe	50 nmol	10 nmol	\$255
DLO-QBP-2	"	200 nmol	20 nmol	\$350
DLO-QBP-1	"	1 µmol	60 nmol	\$600

Fluorescent Calibration Dyes			
Catalog #	Product Description	Size	Price
RD-5025-5	6-FAM T10 Calibration Standard	5 nmol	\$95
RD-5081-5	CAL Fluor® Orange 560 T10 Calibration Standard	5 nmol	\$95
RD-5082-5	CAL Fluor Red 610 T10 Calibration Standard	5 nmol	\$95
RD-5065-5	Quasar® 670 T10 Calibration Standard	5 nmol	\$95

81 Digital Drive  
 Novato, CA 94949-5728 USA  
 1.800.GENOME.1(436.6631) 1.415.883.8400  
 1.415.883.8488 fax  
 info@biosearchtech.com www.biosearchtech.com



©2010 Biosearch Technologies, Inc.

PCR is a proprietary technology covered by several US patents owned by Roche Molecular Systems, Inc., which have been sub-licensed by PE Corporation in certain fields. Depending on your specific application you may need a license from Roche or PE to practice PCR. Additional information on purchasing licenses to practice the PCR process may be obtained by contacting the Director of Licensing at Roche Molecular Systems, Inc., 1145 Atlantic Avenue, Alameda, CA 94501 or Applied Biosystems, a business group of the Applied Biosystems Corporation, 850 Lincoln Centre Drive, Foster City, CA 94404. In addition, the 5' nuclease assay and other homogeneous amplification methods used in connection with the PCR process may be covered by U.S. Patents 5,210,015 and 5,487,972, owned by Hoffman-LaRoche, Inc., and by U.S. Patent 5,538,848, owned by The Perkin-Elmer Corporation. The purchase of Biosearch Technologies' products does not, either expressly or by implication, provide a license to use this or other patented technologies. Licensing information can be obtained by contacting the Director of Licensing, Applied Biosystems, 850 Lincoln Centre Drive, Foster City, CA 94404 or the Licensing Department at Roche Molecular Systems, Inc., 1145 Atlantic Avenue, Alameda, CA 94501. MGB is a trademark of Nanogen, Inc., San Diego, CA; Black Hole Quencher, BHQ, and CAL Fluor are registered trademarks of Biosearch Technologies, Inc.; BHQplus and RealTimeDesign are trademarks of Biosearch Technologies, Inc.

[www.biosearchtech.com](http://www.biosearchtech.com) - [www.bhqplusdesign.com](http://www.bhqplusdesign.com)